



DEFENSE LOGISTICS AGENCY

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IN REPLY

REFER TO DSCC -VAI (Mr. Antonelli/ (DSN 850) 614-692-0576/ra)

February 20, 2004

SUBJECT: Initial Drafts of MIL-DTL-24308/25Jconnectors, Electric, Rectangular, Miniature, Polarized Shell, Rack and Panel, Screw-lock Assembly, Male, Project number 5935-4249-009

Military/Industry Distribution

The initial draft for the subject document, is being revised for dimensional clarification and other changes as required, has been placed on the DSCC-VAI website for you to review and comment. The website address is;
<http://www.dscc.dla.mil/Programs/Milspec/DocSearch.asp>

If this document is of interest to you, please provide your comments or suggested changes by e-mail to ralph.antonelli@dlm.mil or by fax at (614) 692-6940. You may also send comments or suggested changes on Compilation of Comments form 155, shown at the end of the draft documents posted on the web.

Comments or suggested changes that are not editorial in nature should include justification. Industrial activities should indicate whether they are commenting from the standpoint of a "User" or "Manufacturer." Military review activities should forward their comments to their custodians in sufficient time to allow for consolidating the departmental reply. Military departments must identify their comments as either "Essential" or "Suggested." Essential comments, which must be accepted or withdrawn, should be supported by test data unless they obviously require no data.

Please return comments to this Center no later than 45 days from the date of this letter. Any further coordination concerning this document will be circulated only to firms and organizations that furnish comments or reply that they have an interest.

If you do not have access to the world wide web or you have problems downloading this document, please notify Mr. Ralph Antonelli at either the above e-mail address or fax number or by telephone at (614) 692-0576.

Sincerely,

/signed/

RICHARD L. TAYLOR
Chief
Interconnection Devices Team

cc:
VQP (Tony Carnevale)
CDAB (Rocky Sunday)
AF -11 (Dave Hemm - 88 OSS/OSE)

INCH-POUND

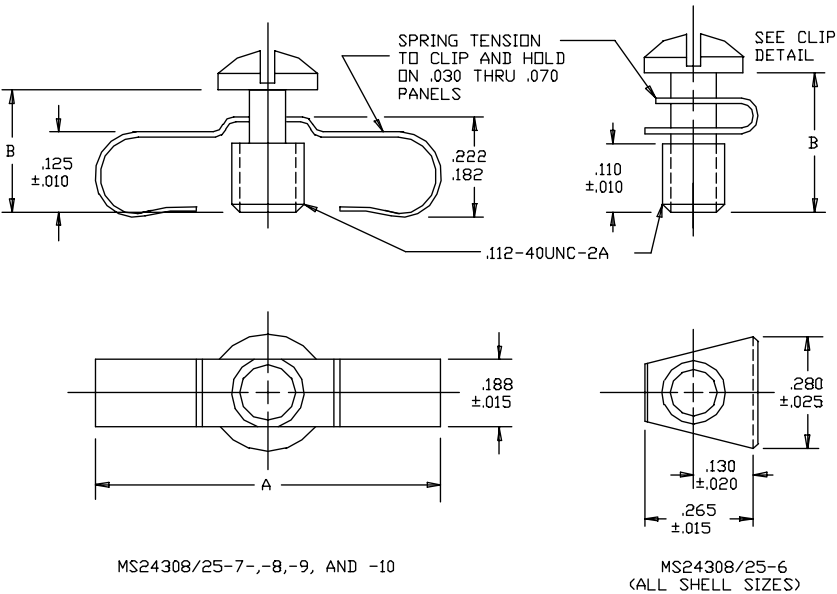
MIL-DTL-24308/25J
DRAFT
SUPERSEDING
MIL-DTL-24308/25H
19 July 2000

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRIC, RECTANGULAR,
MINIATURE, POLARIZED SHELL, RACK AND
PANEL, SCREW-LOCK ASSEMBLY, MALE

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-24308.

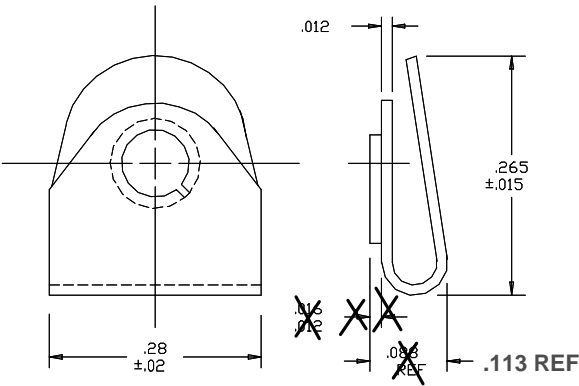


CONFIGURATION A

CONFIGURATION B

EITHER DESIGN IS ACCEPTABLE

FIGURE 1. Dimensions and configurations.



ALTERNATE CONFIGURATION B

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.010	0.25	.020	0.51	.112	2.84	.188	4.78
.012	0.30	.025	0.64	.113	2.87	.222	5.64
.015	0.38	.030	0.76	.125	3.18	.265	6.73
.02	0.5	.070	1.78	.130	3.30	.28	7.1
		.110	2.79	.182	4.62	.280	7.11

FIGURE 1. Dimensions and configurations - Continued.

MIL-DTL-24308/25J

Dash no.	Applicability				Dimensions <u>1/</u> <u>2/</u> <u>3/</u>		Superseded dash number
	Without shields in accordance with MIL-C SAE-AS85049/48-2, -3		With shields in accordance with MIL-C SAE-AS85049/48-2, -3		A	B	
	Connector MIL-DTL-24308/	Shell size	Connector MIL-DTL-24308/	Shell size			
-6	1, 2, 3, 4	1,2,3 4,5,6			See configuration B	+ .000 .250 (0.00) (6.35) -.031 (0.79)	---
-7			3, 4	3, 4	.555 ±.015 (14.10) (0.38) See configuration A	.312 ±.010 (7.92) (0.25)	---
-8			3, 4	5	.656 ±.015 (16.66) (0.38) See configuration A	.312 ±.010 (7.92) (0.25)	---
-9 <u>4/</u>	1, 2, 3, 4	1,2,3, 4	3, 4 1, 2	1,2 1,2,3 4	.555 ±.015 (14.10) (0.38) See configuration A	.281 ±.010 (7.14) (0.25)	-1,-2, -3,-4
-10 <u>4/</u>	1, 2, 3, 4	5	1, 2	5	.656 ±.015 (16.66) (0.38) See configuration A	.281 ±.10 (7.14) (0.25)	-5

NOTES:

1/ Dimensions are in inches.2/ Metric equivalents are in parentheses.3/ Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.4/ M24308/25-1 through -5 are inactive for new design, for new design or government logistic support use -9 or -10.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Material: Screws - Cold rolled steel or corrosion resistant steel in accordance with ASTM-A-582.

Clips - Sheet steel or corrosion resistant steel in accordance with ASTM-A-666.

MIL-DTL-24308/25J

Finish: Cold rolled and sheet steel - Yellow chromate over cadmium in accordance with SAE-AMS-QQ-P-416 or an equivalent industry standard when available.

Screw (Cold rolled steel) - Yellow chromate over zinc in accordance with ASTM B633 or an equivalent industry standard when available.

Clip (sheet steel) - Yellow chromate over zinc in accordance with ASTM B633 or an equivalent industry standard when available or aluminum coating.

Corrosion resistant steel - Shall be passivated in accordance with ~~ASTM A967~~ SAE-AMS-QQ-P-35.

Screws shall be captive in the clip after assembly by the end user and corrosion resistant steel screws shall be used with corrosion resistant steel clips and cold rolled screws shall be used with sheet steel clips.

Qualification inspection: The following tests shall be performed on 3 samples (defined below) in accordance with MIL-DTL-24308:

Visual examination

Shock

Vibration

Visual examination

Test sample: Each sample shall consist of a M24308/25 dash number assembled to the applicable pair of mated connectors with M24308/26-1 or 24308/26-2 attached.

Part number example: M24308/25 - 6 P
(Dash number from figure 1). _____
Finish _____

F - Cadmium, P - Passivated stainless steel, No suffix - zinc

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

In addition to MIL-DTL-24308, this document references the following:

MIL-DTL-24308/26
ASTM A582
ASTM A666
ASTM B633
SAE-AS85049/48
SAE-AMS-QQ-P-35
SAE-AMS-QQ-P-416

MIL-DTL-24308/25J

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - EC
Air Force - 11
NASA - NA
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-4657-000)

Review activities:

Army - AT, AV, CR-4, MI
Navy - AS, CG, MC, SH,
Air Force - 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://www.dodssp.daps.mil>.

PROJECT NUMBER		COMPILATION OF COMMENTS		COMMENT NUMBER
DOCUMENT		COMMENTOR IND NAME OR CODE	[] MFR [] USER [] IND ASSOC	
DOD USE ONLY	DEPT	[] A [] N [] AF [] DLA [] NSA [] CNDN [] NASA		[] ESSENTIAL [] SUGGESTED
RECOMMENDED DISPOSITION OF COMMENT: [] ACCEPTANCE [] NON-ACCEPTED-SEE REASON [] WITHDRAW [] MODIFY [] DISCUSS				
FINAL DISPOSITON OF COMMENT: [] ACCEPTED [] NON-ACCEPTED [] WITHDRAW [] MODIFY				

DESC FORM 155

PROJECT NUMBER		COMPILATION OF COMMENTS		COMMENT NUMBER
DOCUMENT		COMMENTOR IND NAME OR CODE	[] MFR [] USER [] IND ASSOC	
DOD USE ONLY	DEPT	[] A [] N [] AF [] DLA [] NSA [] CNDN [] NASA		[] ESSENTIAL [] SUGGESTED
RECOMMENDED DISPOSITION OF COMMENT: [] ACCEPTANCE [] NON-ACCEPTED-SEE REASON [] WITHDRAW [] MODIFY [] DISCUSS				
FINAL DISPOSITON OF COMMENT: [] ACCEPTED [] NON-ACCEPTED [] WITHDRAW [] MODIFY				

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